

## Reinvest in Minnesota (RIM) Reserve



### Riparian Buffer Conservation Easements

- Nearly \$7 million in funding
- Over 186 easements
- Permanently protected with native plants
- Nitrogen reduced
- Biological integrity increased



### Wellhead Protection Areas

- \$2.3 million in funding
- Cooperative with MDH and MN Rural Water
- Targets over 200 very high vulnerability wellhead areas
- USDA Farm Service Agency partnership for increased CRP

## 2010-2011 Feedlot and SSTS Projects

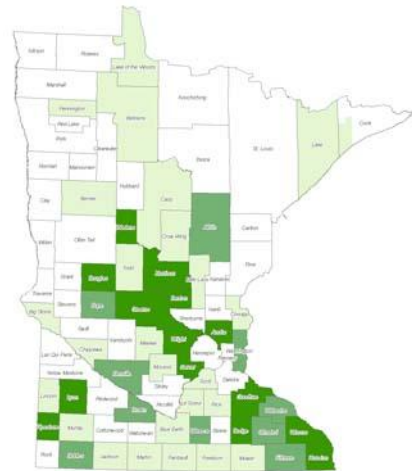
### SSTS Grants

- Inventories on nearly 40 lakes and 5 rivers
- Database development or upgrade in 17 counties and 1 city
- 168 Imminent Health Threat Systems Resolved

### Feedlot Grants

- 97 Feedlots will be upgraded / become compliant
- Targeted to riparian areas or impaired watersheds

- SSTS Funding
- Feedlot Funding
- SSTS & Feedlot Funding

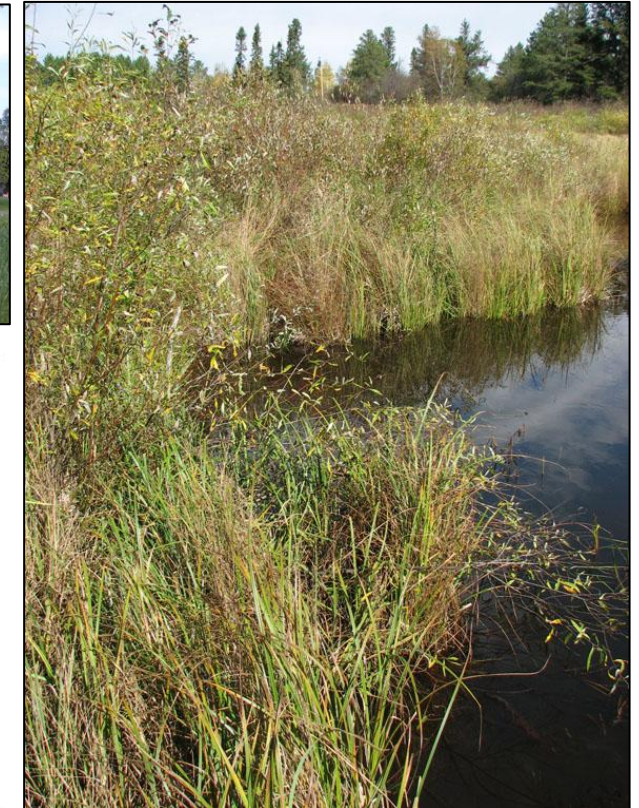


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## Board of Water & Soil Resources FY2010-2011 Clean Water Fund Summary

2011 Legislative Fact Sheet



### Description

**Keeping water on the land** – projects that restore natural hydrology and reduce runoff by restoring wetlands, installing raingardens, developing stormwater treatment ponds, and implementing conservation drainage practices.

**Reducing pollutants in ground and surface water** – targeted activities to reduce pollution in sensitive ecological settings, including wetland restorations in vulnerable drinking water supply areas, replacing failing Subsurface Sewage Treatment Systems (SSTS), and sealing abandoned wells that present a pollution problem.

**Restoring stream integrity** – healthy stream hydrology and abundant fish and biota via streambank and shore stabilization.

### Appropriation

\$8,484,000

\$8,500,000

\$3,000,000



# Communities Putting Clean Water Funds to Work

**Pelican River WD – Detroit Lake Protection: \$250,000**

- Reduce phosphorous 50%.
- Restores Rice Lake habitat and retention.
- Leverages over \$1.5 million.

**Buffalo Red River WD – Upper South Branch: \$135,364**

- LIDAR used to determine erosion problems.
- Targeted landowner outreach and consultation to install site-specific BMPs.

**Clearwater River WD – Trout Habitat and Lake Restoration: \$70,900**

- Treats stormwater from city of Kimball.
- Removes 90% of phosphorous through infiltration.

**Lincoln SWCD-Verdi Wellhead Protection: \$184,210**

- Develop precision nutrient management plans.
- Promote adoption of nutrient BMPs.
- Goal is to eliminate need for Nitrate Removal Plant.

**Nobles SWCD: \$157,058**

- 20 sediment control structures.
- 8,500' grassed waterways.
- Leveraged Federal stimulus to address impairments.
- Within city of Adrian wellhead.

**Bassett Creek WMO – Wirth Lake Outlet Modification: \$75,000**

- Prevent backflow from creek to reduce total phosphorous as stated in TMDL plan.
- Reduces phosphorus more than needed to meet TMDL goal.

**St. Louis Park: \$300,000**

- Restore a highly urbanized section of Minnehaha Creek.
- Addresses multiple impairments on creek and Lake Hiawatha.

**Prior Lake-Spring Lake WD: \$195,600**

- Restore wetlands and natural areas to store and treat 186 acre-feet of stormwater.
- Target topographical depressions with opportunities to store and infiltrate stormwater runoff.

**Lake of the Woods SWCD – Bostic and Zippel Watershed: \$52,105**

- Side inlet controls and exclusion fencing to keep grazing cattle away from water bodies to reduce erosion, sedimentation and nutrient transport in Bostic and Zippel watersheds.
- Targeted locations identified in previous CWP study.

**South St. Louis SWCD – Knife River Impairment: \$72,690**

- 15,000-foot native buffer.
- 30 flow-reduction projects.
- 5 stormwater ponds.

**South St. Louis SWCD – Miller Creek Trout Stream Restoration: \$154,893**

- Restore 3,400-foot channel in a highly urbanized area of Duluth.
- Address temperature impairment through stormwater BMPs and tree planting.

**Aitkin SWCD -- Mille Lacs Lake Protection: \$73,543**

- 7 Infiltration and bio-retention basins
- 3,500' Restored Shoreline
- 3 County Partnership

**SE MN Technical Support JPB – Nutrient Management in Lower Mississippi Watershed: \$161,616**

- Two nutrient management technicians will work in 11-county area to bring feedlots into compliance.
- Nutrient management projects will address TMDL goals for fecal coliform impairment.

**Chisago SWCD – Chain of Lakes Stormwater Retrofit: \$230,526**

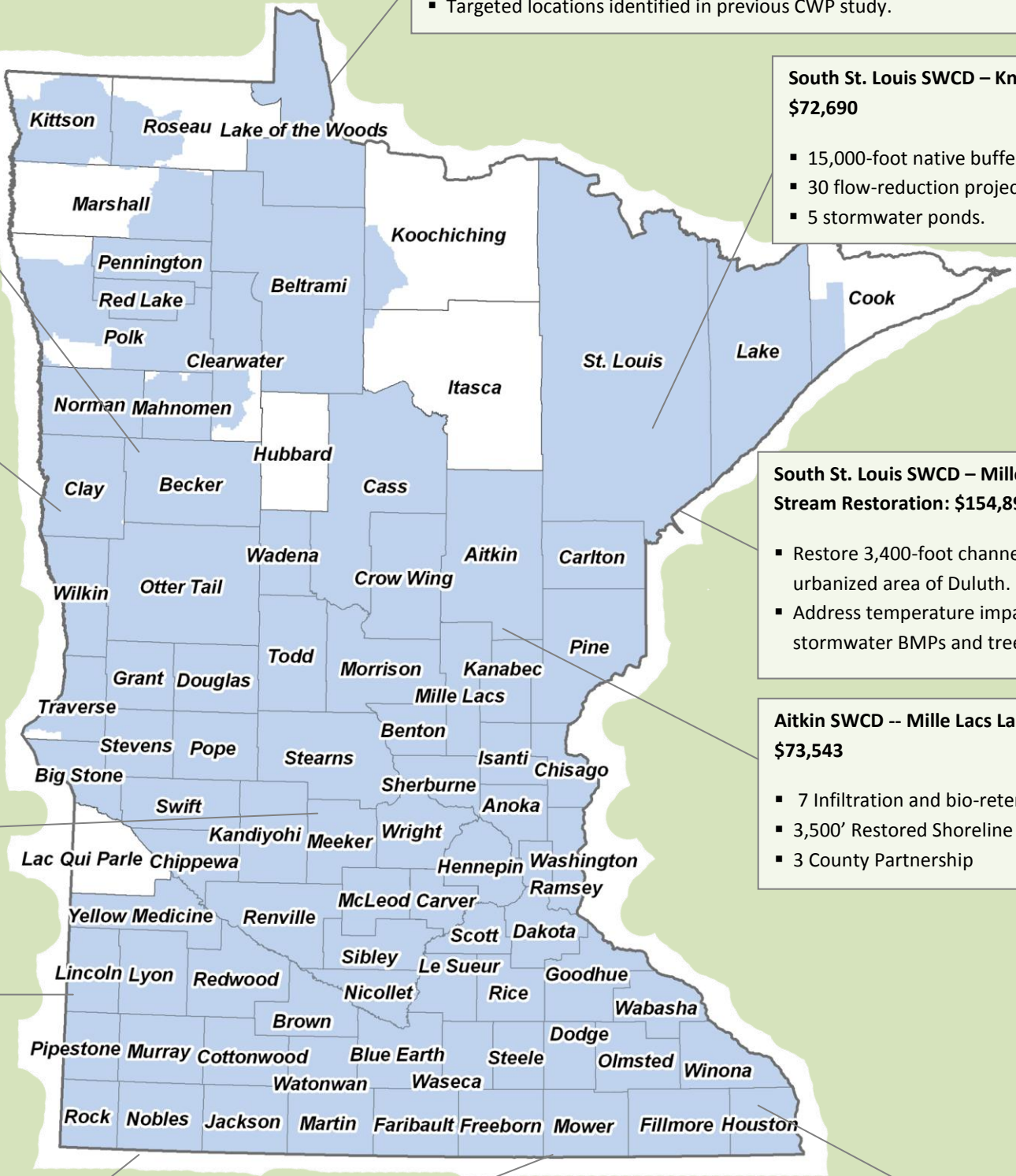
- Install BMPs to treat stormwater runoff throughout Chain of Lakes watershed.
- Target locations identified in chain of lakes assessment.

**Minnehaha Creek WD: \$224,224**

- Friends of Diamond Lake, citizen led.
- Runoff reduction via many small projects.
- 50 raingardens, pervious pavement.
- 1.5 million gallons of runoff reduced.

**North Cannon River WMO: \$150,000**

- 10-year extensions to CRP practices in critical riparian areas.
- Targets at least 50% highly erodible soils



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137 grants to local governments